

**APPLICATION FOR PERMIT
TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA**

Date of filing in State Engineer's Office MAR 15 1996

Returned to applicant for correction _____

Corrected application filed _____

Map filed DEC 03 1979 with Application 39879

The applicant **T.M. CHANG**, hereby makes application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated.

1. The source of the proposed appropriation is **Underground Well (Geothermal No. 1)**

2. The amount of water applied for is **1.0 cfs** second-feet

(a) If stored in reservoir give number of acre-feet **N/A**

3. The water to be used for **Commercial (Heating and Spa)**

4. If use is for:

(a) Irrigation, state number of acres to be irrigated **N/A**

(b) Stockwater, state number and kinds of animals to be watered

(c) Other use (describe fully under No. 12. "Remarks")

(d) Power:

(1) Horsepower developed

(2) Point of return of water to stream

5. The water is to be diverted from its source at the following point **NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 13, T 19 N, R 18 E, MDB&M, or at a point from which the West $\frac{1}{4}$ corner of said Section 13 bears, N 84° 52' 33" W 2,499.00 feet.**

6. Place of Use **portions of SW $\frac{1}{4}$ NW $\frac{1}{4}$, SE $\frac{1}{4}$ NW $\frac{1}{4}$, NE $\frac{1}{4}$ SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 13, T 19 N, R 18 E, MDB&M.**

7. Use will begin about **January 1** and end about **December 31**, of each year.

8. Description of proposed works **Improve existing well, re-install pump and motor, install water lines to serve the spa area and also to use for geothermal.**

9. Estimated cost of works **\$150,000**

10. Estimated time required to construct works **Three Years**

11. Estimated time required to complete the application of water to beneficial use **Five Years**

12. Remarks: **This application is for a geothermal well for commercial purposes to use at the spa and circulate through the heating system with little consumptive use. All excess water will be returned back to the system. Estimated total withdrawal for the geothermal well is 220 acre feet per year. The total consumptive use is estimated at less than 100 acre feet per year.**

By **s/Thomas J. Hall**
Thomas J. Hall, Agent
Post Office Box 3948
Reno, Nevada 89505

Compared **cms/bk**

Protested _____

61964

OF STATE ENGINEER

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions: